Atty Docket No. 022272-000411US

PTO FAX NO.: 703-872-9306

ATTENTION:

Examiner Neuder

Group Art Unit 3672

RECEIVED CENTRAL FAX CENTER

OFFICIAL COMMUNICATION

SEP 2 1 2004

FOR THE PERSONAL ATTENTION OF

EXAMINER NEUDER

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following documents in re application of Haci, Application No. 10/613,519, filed July 2, 2003 for METHOD AND APPARATUS FOR DIRECTIONAL DRILLING are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

- 1. Transmittal Form
- Power of Attorney
- 3. Statement Under 37 CFR 3.73(b)

Number of pages being transmitted, including this page: 4

Dated: September 21, 2004

Julie (1) Freiburger

PLEASE CONFIRM RECEIPT OF THIS PAPER BY RETURN FACSIMILE AT (415) 576-0300

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, CA 94111-3834 Telephone: 858-350-6100

Fax: 858-350-6111

TRANSMITTAL FORM (To be used for all correspondence after initial fling) Total Number of Pages in This Submission Total Number of Pages in This Submissio		_							PTO/SB/21 (04-04)
First Named Inventor Haci Art Unit 3672 Examiner Name Neurol Neuroler Total Number of Pages in This Submission 4 Atomey Docket Number 02272-000411US ENCLOSURES (Check all their apply) Fee Trenemittal Form Drawing(s) In The Submission 1 After Allowance Communication to Secretary 1 Trenemittal Form Drawing(s) In Technical State Internation 1 Secretary 1 Trenemittal Form Drawing(s) In Technical State Internation 1 Secretary 1 Trenemittal Form Drawing(s) Petition to Convert to a Provisional Application 1 Secretary 1 Properties and Interferences of Appeals Communication to Secretary 1 Properties and Interferences of Appeals Application 1 State Letter 1 Cuppea Medice, Brief, Reply Brief) Provisional Application 1 State Letter 1 State Letter 2 Contract Contract Information 1 State Letter 2 Contract Contract Information 2 Change of Correspondence Address 2 Contract C					Application Number	10/	613,519		
Art Unit 3672					Filing Date	July 2, 2003			
Examiner Name Neguer Total Number of Pages in This Submission 4 Atterney Docket Number 022272-000411US Fee Transmittal Form		FO	RM		First Named Inventor				
September 21, 2004 Attemey Docket Number 02272-000411US	(to be used for a	all correspo	ondence after initial fili	ing)	Art Unit	3672			
ENCLOSURES (Chock all thet apply) ENCLOSURES (Chock all thet apply) Fee Transmittal Form					Examiner Name	Ne	uder		
Fee Atlached	Total Number of	Pages in 1	This Submission	4	Attomey Docket Number	022	2272-0004	11108	
Fee Atlached									
Drawling(s) Drawling(s) Licenshing-related Papers Appeals Communication to Board of Appeals and Interferences Appeals Communication to Convert to a Provisional Application Provisional Address Status Letter Victority Other Enclosure(s) (please identified Copy of Priority Document(s) Remarks The Commissioner is authorized to charge any additional fees to Deposit Provisional Provisional Provisional Pro				EN	GLUSUKES (Check all that	apply		h. am.	
Fee Allached	Fee Trans	mittal Fo	m	$ \sqcup $	Drawing(s)				
Amendment/Repty	☐ Fe	ee Alfach	ed		Licensing-related Papers				
Affidavits/declaration(s) Extension of Time Request Extension of Time Request Express Abandonment Request Information Disolosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Request for Refund Request for Refund Request for Refund Status Letter Cother Enclosure(s) (please tools by cother Enclosure(s) (please tool	Amendme	nt/Reply							
Extension of Time Request Extension of Time Request Extension of Time Request Express Abandonment Request Information Disclosure Statement Contributing below): Request for Refund Contributing below): Statement Under 37 CFR 3.73(b) Remarks The Commissioner is authorized to charge any additional fees to Deposit number 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Townsend and Townsend and Crew LLP Individual name Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9305 on September 21, 2004 Typed or printed name Julie C. Freiburger	A	ter Final			Provisional Application			roprletary	y Information
Express Abandonment Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts Incomplete Application Remarks The Commissioner is authorized to charge any additional fees to Deposit Remarks Topical Topication Remarks The Commissioner is authorized to charge any additional fees to Deposit Remarks Topication Remarks Topication Remarks The Commissioner is authorized to charge any additional fees to Deposit Remarks Topication		fidavlts/d	eclaration(s)	\bowtie		Change of Correspondence Address			
Information Disclosure Statement Control Copy of Priority Document(s) Remarks The Countries authorized to charge any additional fees to Deposit Remarks Response to Missing Parts Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	Extension	of Time I	Request		Terminal Disclaimer	'erminal Disclaimer		entify be	low):
Certified Copy of Priority Document(s) Response to Missing Parts Incomplete Application Response to Missing Parts Under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Townsend and Townsend and Crew ULP Indiddual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004	Express Abandonment Request			Request for Refund Stateme		Statemen	rt Under	37 CFR 3.79(b)	
Document(s) Response to Missing Parts Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Juille C. Freiburger	Information	n Disclos	ure Statement	<u> </u>					
Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger			riority	Rema		uthoriz	zed to chan	ge any a	dditional fees to Deposit
Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9305 on September 21, 2004 Typed or printed name Julie C. Freiburger	Response	to Missir	ng Parts/						
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name John September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	Incomplete	Applica	tion						
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger									
Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	un	uer ar Ci	FK 1.32 OF 1.93						
Firm or Individual name Jonathan E. Jobe Reg. No. 28,429 Signature Date September 21, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger		•				***		_	
Signature Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	61m	Γ-			•	:Y, C	JR AGEN	<u>T</u>	
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	or			eno an	5 /				
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger									
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger									
I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on September 21, 2004 Typed or printed name Julie C. Freiburger	September 21, 2004 // //								
Typed or printed name Julie C. Freiburger Date September 21, 2004	CERTIFICATE OF TRANSMISSION/MAILING								
Date September 21, 2004	I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on								
Signature Date September 21, 2004	Typed or printed name Julie C. Freiburger					•			
	Signature		\ \ \	<u></u>	<u> </u>			Date	September 21, 2004

PTO/SB/82 (09-03)

REVOCATION OF POWER OF **ATTORNEY WITH NEW POWER OF ATTORNEY AND** CHANGE OF CORRESPONDENCE ADDRESS

Application Number	10/613,519		
Filing Date	July 2, 2003		
First Named Inventor	Haci		
Art Unit	3672		
Examiner Name	William Neuder		
NEW Atty. Docket No.	022272-000411US		

I hereby revoke all previous	powers of attorney	given in the abov	e-Identified ap	plication:	CENTRAL FAX	VED CENT	
A Power of Attorney is sub	SEP 2 1	2014					
OR					_		
I hereby appoint the practit							
Please change the correspondence address for the above-identified application to:							
The address associated with Customer Number:							
OR							
Firm or Individual Name							
Address							
Address							
City		State	ZIP			:	
Country			,			· ;	
Telephone		Fax					
I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71 Noble Engineering and Development, Ltd. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)							
SIGNATURE of Applicant or Assignee of Record							
Name Richard Fagin, Vice President							
Signature							
Date 9/16	12004			- 281 2	276 6402		
NOTE: Signatures of all the inventors more than one signature is required, s		he entire interest or the	ir representative(s)	are required. Su	bmit multiple forms if		
☐ *Total of forms are su	bmitted.						

PTQ/SB/96 (08-03)

Attorney Docket No. 022272-000411US

STATEMENT UNDER 37 CFR 3.73(b)							
Applicant/Patent Owner: Noble Engineering and Development	nent, Ltd.						
Application No./Patent No.: 10/613,519 Filed/issue Date: July 2, 2003							
Entitled: METHOD OF AND APPARATUS FOR DIRECTION	DNAL DRILLING						
Noble Engineering and Development, Ltd. , a limited (lability company						
(Name of Assignee) (Type of	Assignee, e.g., corporation, partnership, university, government agency, etc.)						
states that it is:	states that it is:						
1. X the assignee of the entire right, title, and inter	rest or						
The extent (by, percentage) of its ownership i	an assignee of less than the entire right, title and Interest. The extent (by, percentage) of its ownership interest is%						
in the patent application/patent identified above by virtue of	f either:						
A. An assignment from the inventor(s) of the patent ap recorded in the United States Patent and Trademark thereof is attached.	A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel <u>014842</u> , Frame <u>0606</u> , or for which a copy thereof is attached.						
OR							
A chain of title from the inventor(s), of the patent apshown below:	plication/patent identified above, to the current assignee as						
1. From:	To :						
The document was recorded in the United State							
Real, Frame, or for which a copy	thereof is attached.						
2. From:	To :						
The document was recorded in the United State							
Reel, Frame, or for which a copy	Thereof is attached.						
3. From:	To :						
The document was recorded in the United State Reel, Frame, or for which a copy							
<u> </u>							
Additional documents in the chain of title are its	Additional documents in the chain of title are listed on a supplemental sheet.						
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. <u>See MPEP 302.8</u>]							
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.							
9/16/2004 Date 281 276 640	Richard A. Fagin						
Date 281 276 640	2 Typed or prifted name.						
710-200-0024	() () () () () () () () () ()						
Telephone number	Signature (
	Vice President						